

Data Sheet CUBE 800

ATEX



- Ⓜ II 2G Ex ib op is IIC T4 Gb IP64
- Ⓜ II 2D Ex ib op is IIIC T135°C Db IP64

IECEX



- Ex ib op is IIC T4 Gb IP64
- Ex ib op is IIIC T135°C Db IP64

NEC / CEC



- Class I, Zone 1, AEx ia op is IIC T4 Gb IP64
- Class II, Zone 21, AEx ia op is IIIC T135°C Db IP64
- Ex ia op is IIC T4 Gb IP64
- Ex ia op is IIIC T135°C Db IP64
- Class I, Division 1, Groups A,B,C,D T4
- Class II, Division 1, Groups E,F,G T4
- Class III, Division 1 T4



Technical Data

Optical performance	<ul style="list-style-type: none"> 13 MP camera (3 x digital zoom) 10 cm to infinity focus range Automatic focus and white balance Integrated LED illumination Class 1 laser aiming pointer
Thermal imaging camera	<ul style="list-style-type: none"> Longwave infrared, 8 ... 14 μm < 50 mK thermal sensitivity Auto flat field correction (FFC) Typical measurement accuracy:* <ul style="list-style-type: none"> Greater of +/- 5 °C or 5 % where scene temperature = -10 °C ... +120 °C Greater of +/- 10 °C or 10 % where scene temperature = +120 °C ... +450 °C
Audio	<ul style="list-style-type: none"> Built-in omni-directional microphone for ambient sound Built-in speaker for CUBE status alerts
Video standard	<ul style="list-style-type: none"> H.264 / AVC HD capture and stream up to 1080 pixel resolution Frame rates up to 30fps
Communication	<ul style="list-style-type: none"> Configuration and live collaboration using Onsite Connect software iOS 11, Android™ 5.0 (Lollipop) or higher Integrated IEEE 802.11 a/b/g/n Dual-band WiFi (2.4 GHz and 5 GHz) Bluetooth® 4.1 (LE) for pairing to host device Direct Wifi connection to the host phone
Media capture and storage	<ul style="list-style-type: none"> 48 GB onboard storage USB cable for file transfer
Security	<ul style="list-style-type: none"> WLAN network authentication: WPA, WPA2, WPA-PSK, WPA2-PSK, open WLAN data encryption: AES, WEP, TKIP, or disabled 802.1 x authentication: PEAP AES-256 media encryption for file storage
Rugged features	<ul style="list-style-type: none"> 6-foot drop to concrete at 20 °C 75 mm (W) x 64 mm (H) x 50 mm (D) IP64 Weight: 257 g
Operating ambient temperature	<ul style="list-style-type: none"> Optical camera: -20 °C ... +55 °C Thermal imaging: -10 °C ... +55 °C
Storage temperature	<ul style="list-style-type: none"> -30 °C ... +60 °C (greater than 3 months max. +45 °C)
Humidity (non-condensing)	<ul style="list-style-type: none"> Short-term storage (up to 3 months) minimum 5 %, maximum 85 % Operating minimum 5 %, maximum 95 % RH
Altitude	<ul style="list-style-type: none"> Storage (12 °C) minimum 0 ft, maximum 15,000 ft Operating (27 °C) minimum 0 ft, maximum 10,000 ft
Power	<ul style="list-style-type: none"> Rechargeable 2200 mAh Li-Ion battery 5 V DC, 1.8 A AC adapter Charging from any standard USB port Magnetic charging connector Up to 4 hours of runtime, depending on media and illumination settings

*Depends on usage and environmental condition.